



TOM NEWBY SCHOOL EXAMINATION



| | | | |
|--|---|--------------------|--------------------|
| Subject | Geography | Examiner | Mr J Maredi |
| Date | 20 November 2018 | Total marks | 50 |
| Session | | Duration | 1 Hour |
| Grade | Grade 5 | Moderator | Mrs Pienaar |
| Special instructions/ Equipment | <ul style="list-style-type: none"> • Answer in full sentences. • Write all the answers on the answer sheet. | | |
| <p>This assessment has been compiled using notes and information contained in the Tom Newby School resource material. The marking memorandum has been compiled accordingly. While alternative responses will be given due acknowledgement, the official memorandum will be considered a priority document to ensure uniformity of marking.</p> | | | |

Name and surname _____ Grade 5: _____

Section A: Climate and weather

Question 1

[5]

Say if the following statements are true or false. If false correct the statement.

- a) Rain is measured in millimetres.

- b) Mist, dew and frost are all forms of precipitation.

- c) We measure temperature using a windsock.

- d) The symbols used on a weather map each have a specific meaning.

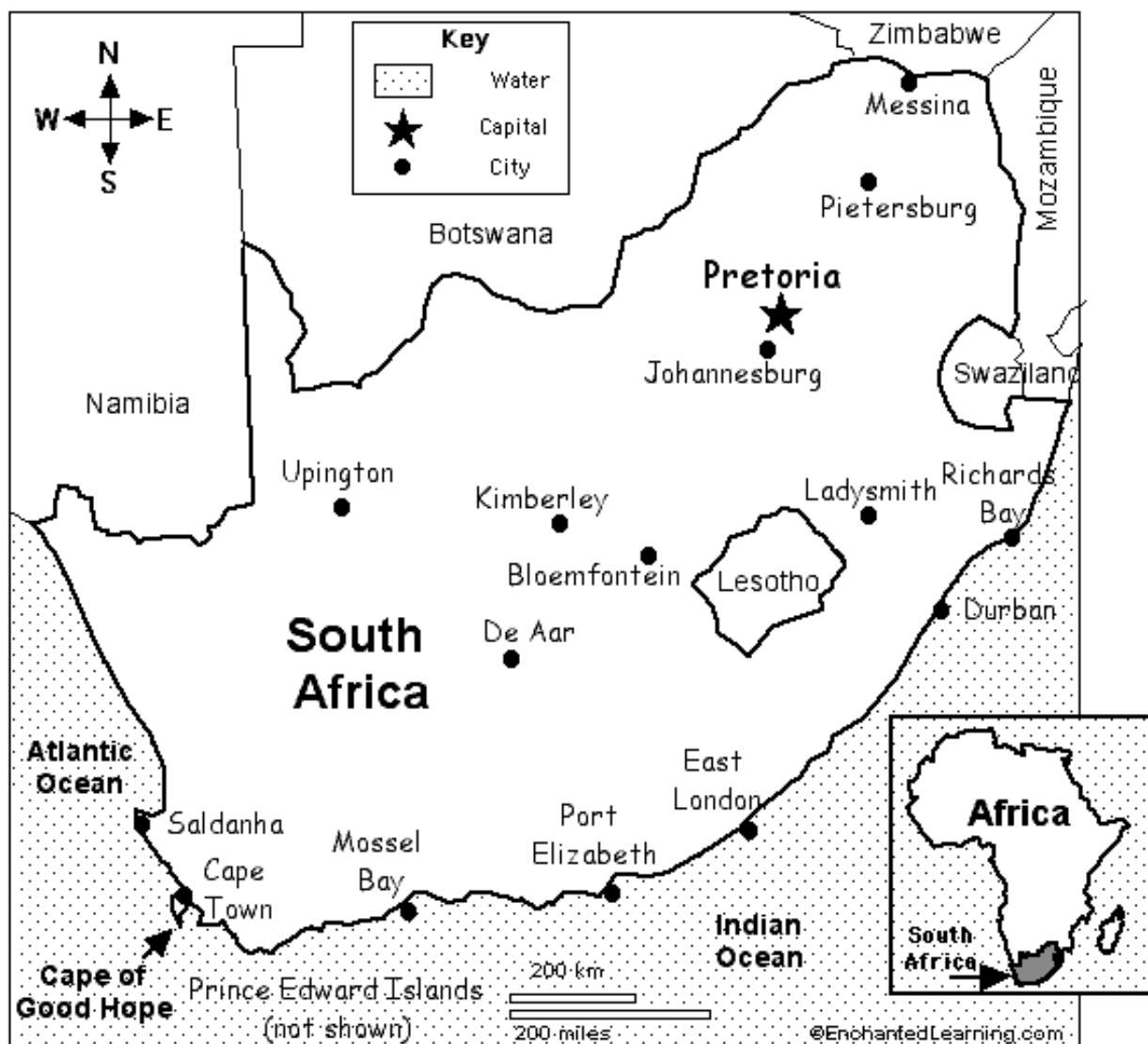
- e) Farmers never listen to the weather report, it has nothing to do with farming.



Question 2**[9]**

- a) The weather man at the local TV station needs your help. He has been given the print out of tomorrow's weather but he is not sure how to complete the map for his viewers. Use your pen to complete the map for him. Remember to use the correct weather symbols.

(6)



| Place | Temperature | Weather Condition |
|-------------|--------------|-------------------|
| East London | 11 ° to 30° | Sunny |
| Kimberly | 8 ° to 32 ° | Thundershowers |
| Mossel Bay | 12 ° to 27 ° | Partly cloudy |

b) ***“Weather and climate are the same thing!”*** shouted Jamie.

Do you agree with him? Explain your answer carefully by giving facts. (3)

Question 3

Give good definitions for the following words: [2]

a) Atmosphere. (1)

b) Annual rainfall. (1)

Question 4 [2]

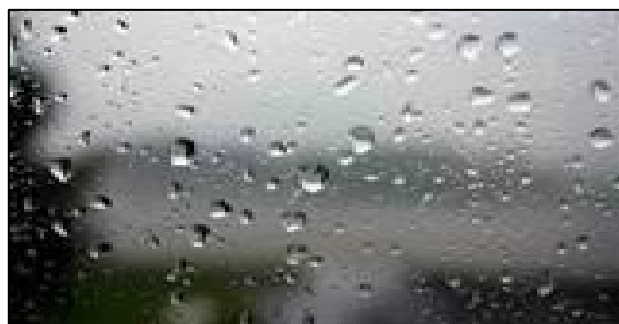
What type of precipitation is shown in each of the following images?

| | Type of precipitation |
|---------|-----------------------|
| Image A | |
| Image B | |

Image A



Image B



Question 5**[3]**

Match the letter from column A with a number from column B. Write down only the number in the answer grid.

| Column A | Column B |
|-----------------|---|
| A. Water vapour | 1. Plants that have grown without interference from people. |
| B. Thermometer | 2. Can be measured in degrees Celsius. |
| C. Temperature | 3. A gas in the atmosphere that turns into water droplets, snow or frost. |
| | 4. An instrument that we use to record temperature. |
| | 5. The percentage of the sky filled with clouds |

| A | B | C |
|---|---|---|
| | | |

Question 6**[9]**

- a) Do you think that it is important for people to know about the weather and climate of the area where they live? Give two examples of when this knowledge would be useful. (3)

- b) How do you think the wind and temperature is controlled in an office? (1)

- c) The Western Cape gets most rainfall between the months of June, July and August. It is known as a _____ rainfall region. (1)

- d) In which season would a farmer's crops grow the most? Give a reason for your answer. (2)

- e) You forgot your lunch box outside on the field at school. The next morning when you go to fetch it is wet, but there had been no rain. Explain what had caused the lunch box to get wet. (2)

Section A total: 30 marks

Section B: Minerals and mining in South Africa

Question 1

[4]

- a) Look carefully at the pictures. Identify the type of mine shown.



A



B

A) _____ B) _____

- b) Name one mineral that is mined in the types of mines shown above:

A) _____ B) _____

Question 2

[7]

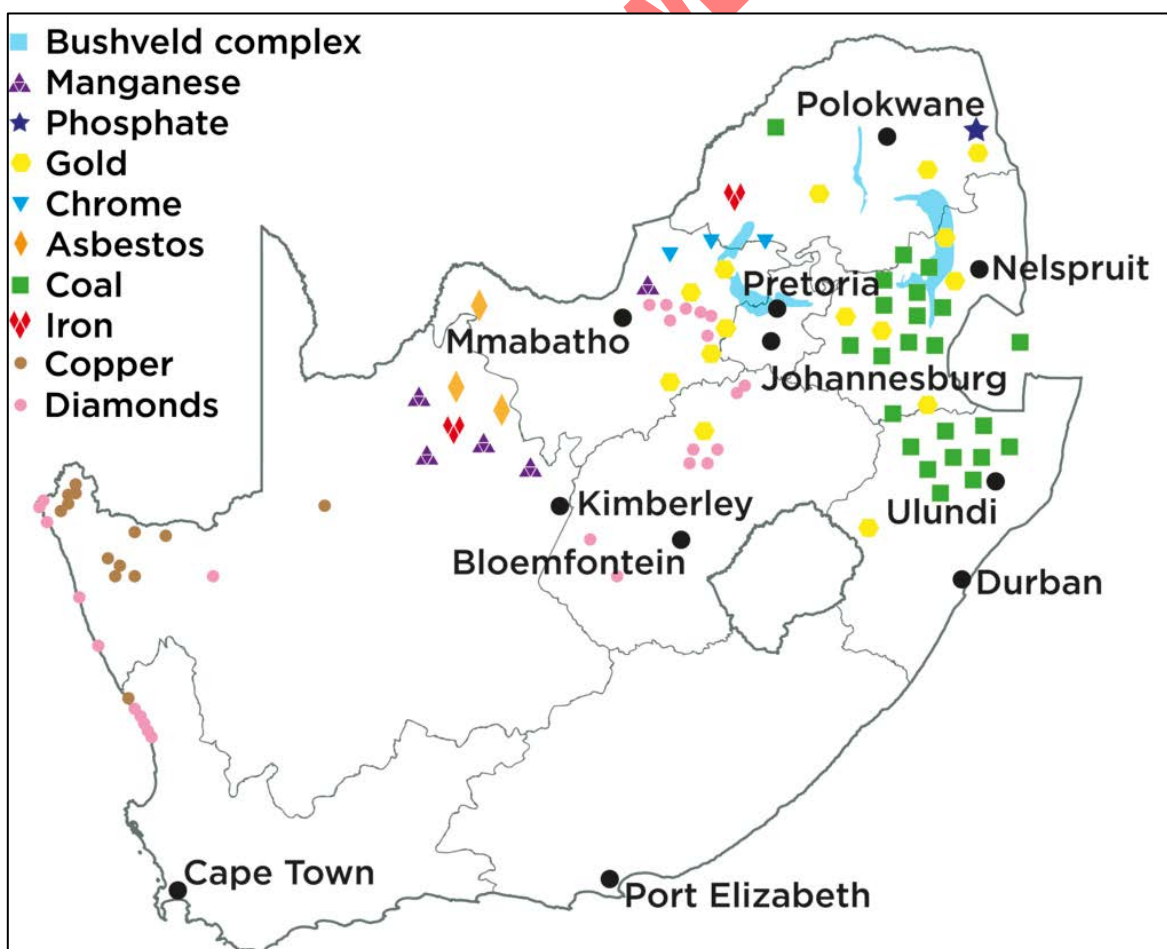
Study the map on the next page and answer the questions.

- a) What mineral is mined near Ulundi? _____ (1)
- b) Near which town is phosphate mined? _____ (1)
- c) What mineral is mined on the west coast of South Africa? (1)

- d) If you were a diamond dealer, would Port Elizabeth be the best place to live? (1)

- e) Why do you think the government decided to build a nuclear power station in Cape Town instead of a coal powered one? (1)

- f) Durban is a port close to the mineral fields. This makes exporting easy. Why do you think that it is important for South Africa to sell its mineral resources to other countries? Give two valid reasons. (2)



Question 3**[7]**

Look at picture A and answer the questions about illegal mining.

Picture A

- a) Why do you think that people engage in illegal mining. Give two valid reasons. (2)

- b) Write a short paragraph explaining why you think that the government has made this type of mining illegal? (3)

(Think about safety and the effects on the environment.)

- c) Look at **figure 2**. Identify **one disadvantage** that mining has on the quality of life and **one advantage** it has on the socio-economic status of the miners. (2)




| | | |
|----------------------|--|---|
| Social impact |  Socio-economic | <ul style="list-style-type: none"> Job creation¹ Education and skills development Infrastructure and housing |
| |  Health and safety | <ul style="list-style-type: none"> Number of deaths (at mine; on road) Number of injuries (at mine; on road) Illness (for example, respiratory, cancer, and HIV) |
| |  Quality of life | <ul style="list-style-type: none"> Visual impact on landscape Vibration Noise |

Figure 2

The social and environmental impact of the mining industry

Disadvantage

Advantage

Question 4

[2]

Look at Picture B. List two items of safety clothing or equipment that miners wear for protection.



Picture B

Section B: 20 marks

Total Marks 50